DIVISION OF MINES AND GEOLOGY JAMES F. DAVIS, STATE GEOLOGIST

33° 15'00" 🖽

Topographic base by U.S. Geological Survey

Polyconic projection, contour interval 20 feet,

7.5' Pala Quadrangle

dotted lines 10 feet.

STATE OF CALIFORNIA - GRAY DAVIS GOVERNOR THE RESOURCES AGENCY - MARY NICHOLS, SECRETARY FOR RESOURCES DEPARTMENT OF CONSERVATION - DARRYL YOUNG DIRECTOR

RESERNATIO

Prepared in cooperation with the U.S. Geological Survey

GEOLOGIC MAP OF THE PALA 7.5' QUADRANGLE SAN DIEGO COUNTY, CALIFORNIA:



A DIGITAL DATABASE VERSION 1.0

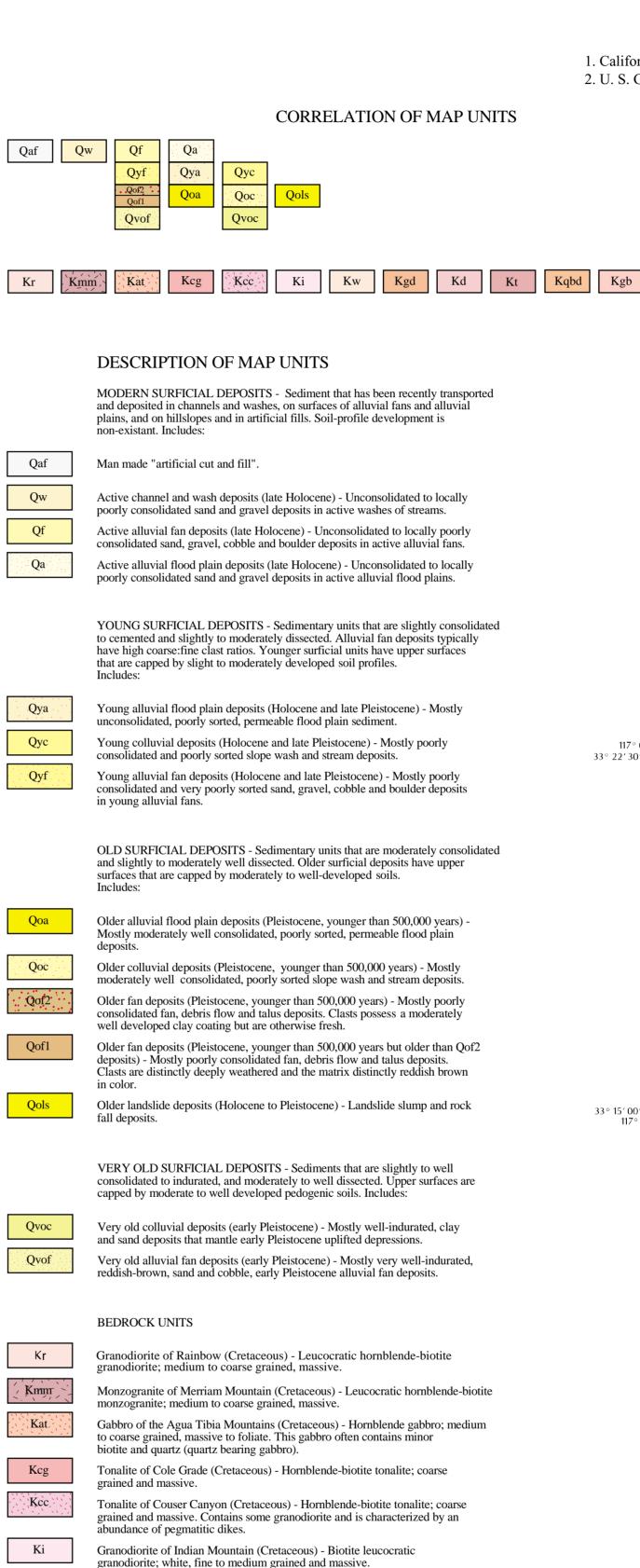
Michael P. Kennedy¹

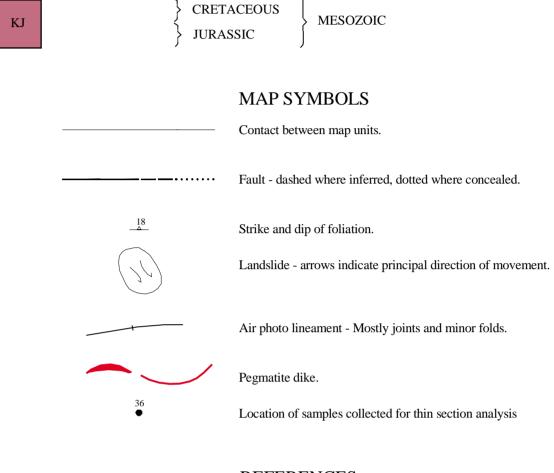
Brad L.Nelson² and Rachel M. Hauser²

Digital Database

1. California Division of Mines and Geology, Los Angeles, CA 2. U. S. Geological Survey, Riverside, CA

Pleistocene

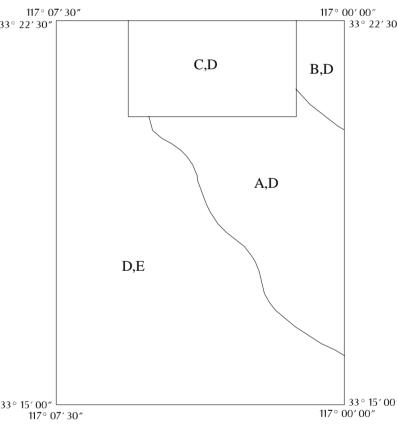




QUATERNARY

CENOZOIC

REFERENCES



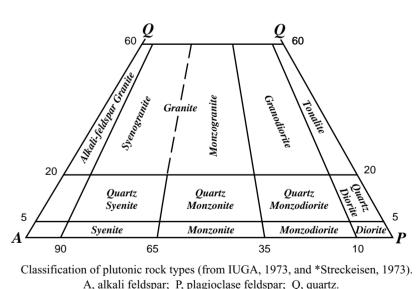
A. Hanley, J.B. and Jahns, R.H., 1950, unpublished geological maps of the Pala and Rincon pegmatite districts, San Diego County California: Unpublished U.S. Geological Survey mapping (scale 1:24,000). This mapping was used with slight modification for the basement rock geology in the north- and east-central

B. Irwin, W.P. and Greene, R.C., 1970, Studies related to wilderness primitive areas, Agua Tibia, California: U.S. Geological Survey Bulletin 1319-A, 19p., map scale 1:48,000. This mapping was used with slight modification for the basement rock geology in the northwestern corner of the quadrangle.

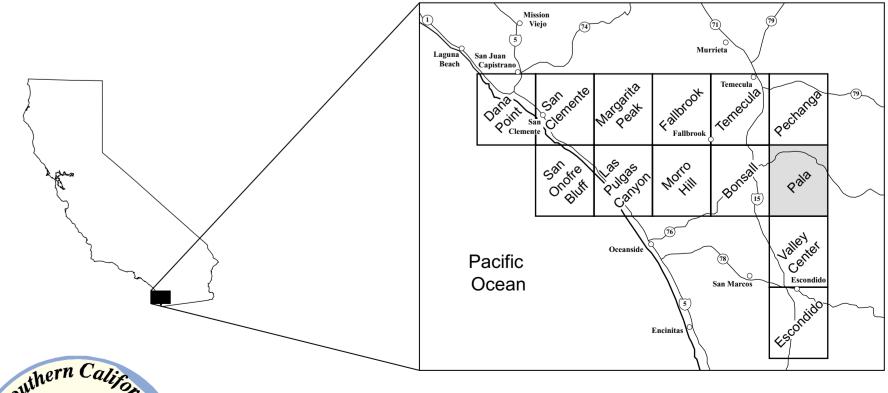
C. Jahns, R.H. and Wright, L.A., 1951, Gem- and lithium-bearing pegmatites of the Pala district, San Diego County, California: California Division of Mines and Geology Special Report 7-A, 72p., map scale 1:18,000. This mapping was used with slight modification for the pegmatites and adjacent bedrock geology in the northern quarter of the quadrangle.

D. Kennedy, M.P., 2000, New 1:24,000-scale geologic mapping completed between July 1999, and June 2000.

E. Larsen, E.S. Jr., 1948, Batholith and associated rocks of Corona, Elsinore and San Luis Rey quadrangles, southern California: Geological Society of America Memoir 29, 182 p., map scale 1:125,000. This mapping was useful in depicting regional contacts between major plutons but the very small scale does not allow direct use of these contacts at 1:24,000.



A, alkali feldspar; P, plagioclase feldspar; Q, quartz. *Streckeisen, A.L., 1973, Plutonic rocks--Classification and nomenclature recommended by the IUGA Subcommission on Systematics of Igneous Rocks: Geotimes, vol.18, pp.26-30.



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